

D2W



| Product | Control Voltage Range | Load Current | Switching Voltage Type | Turn On | Load Voltage Range |
|---------------------------------------|-----------------------|-------------------|------------------------|------------|--------------------|
| BUY D2W203F-11 | 3-32 Volts DC | 0.06-3.5 Amps RMS | AC | Zero cross | 24-280 Volts RMS |

Triac output • 2-3.5Amp • 24-280 Vrms • AC Switching • SIP Packaged • DC control • Built-in snubber.

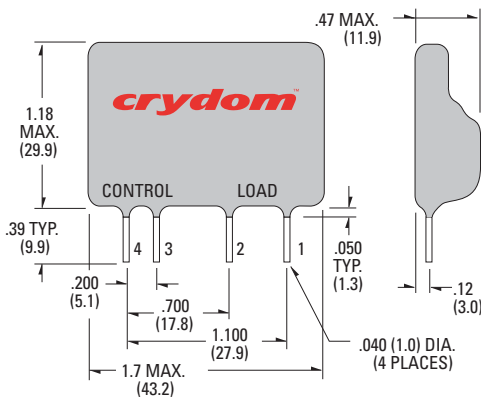
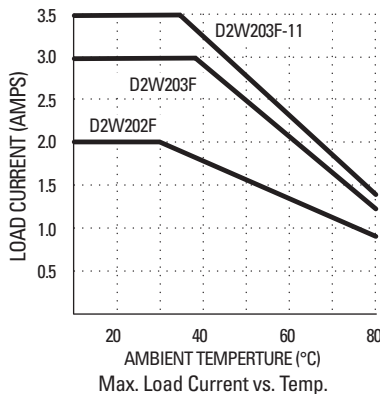
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- Triac Output
- Printed Circuit Board Mount
- Internal Snubber
- Zero Voltage Switching

The D2W Series features an epoxy-coated package that provides exceptional environmental protection. Pinouts are compatible with Series 6 and OAC type I/O modules.

Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

CURRENT DERATING CURVE



PIN 1: AC LOAD
 PIN 2: AC LOAD
 PIN 3: +DC CONTROL
 PIN 4: -DC CONTROL

All dimensions are in inches (millimeters)

| MODEL NO. | D2W202F | D2W203F | D2W203F-11 |
|---|--------------|--------------|--------------|
| INPUT SPECIFICATIONS ① | | | |
| Control Voltage Range | 3-32 Vdc | 3-32 Vdc | 3-32 Vdc |
| Nominal Input Impedance | 1500 Ohm | 1500 Ohm | 1500 Ohm |
| Typical Input Current @ 5 Vdc | 3.0 mAdc | 3.0 mAdc | 3.0 mAdc |
| Must Turn On Voltage | 3.0 Vdc | 3.0 Vdc | 3.0 Vdc |
| Must Turn Off Voltage | 1.0 Vdc | 1.0 Vdc | 1.0 Vdc |
| OUTPUT SPECIFICATIONS ① | | | |
| Operating Voltage Range (47-63 Hz) | 24-280 Vrms | 24-280 Vrms | 24-280 Vrms |
| Load Current Range | .06-2.0 Arms | .06-3.0 Arms | .06-3.5 Arms |
| Transient Over-Voltage | 600 Vpk | 600 Vpk | 600 Vpk |
| Max. Surge Current, (16.6ms) | 28 Apk | 70 Apk | 80 Apk |
| Min. Off-State dv/dt @ Max. Rated Voltage ③ | 200 V/μsec | 200 V/μsec | 200 V/μsec |
| Max. Off-State Leakage @ Rated Voltage | 8 mArms | 8 mArms | 8 mArms |
| Max. On-State Voltage Drop @ Rated Current | 1.4 Vpk | 1.4 Vpk | 1.4 Vpk |
| Max. Turn-On Time | 1/2 cycle | 1/2 cycle | 1/2 cycle |
| Max. Turn-Off Time | 1/2 cycle | 1/2 cycle | 1/2 cycle |
| Power Factor (Min.) With Max. Load | 0.5 | 0.5 | 0.5 |

GENERAL SPECIFICATIONS

| | |
|--|---------------------|
| Dielectric Strength ② | 4000 Vrms |
| Insulation Resistance (Min.) @ 500 Vdc ② | 10 ⁹ Ohm |
| Max. Capacitance | 10 pF |
| Ambient Operating Temperature Range | -30 to 80°C |
| Ambient Storage Temperature Range | -30 to 125°C |

MECHANICAL SPECIFICATIONS

| | |
|-------------------|----------------------------|
| Weight: (typical) | 0.6 oz. (17 g) |
| Encapsulation: | Thermally Conductive Epoxy |

GENERAL NOTES

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- ① All parameters at 25°C unless otherwise specified.
- ② Dielectric and insulation resistance are measured between input and output.
- ③ Off-State dv/dt test method per EIA/NARM standard RS-443.

APPROVALS

UL E116950
 CSA LR81689

